

**WHAT IS CLAIMED IS:**

1. A polynucleotide encoding fusion protein, the fusion protein consisting essentially  
5 of a tobamovirus coat protein fused to a protein of interest at a fusion joint.
2. A polynucleotide according to Claim 1, wherein the fusion is an amino terminus  
fusion.
- 10 3. A polynucleotide according to Claim 1, wherein the fusion is a carboxy terminus  
fusion.
4. A polynucleotide according to Claim 1, wherein the fusion is an internal fusion.
- 15 5. A polynucleotide according to Claim 1, wherein the fusion joint comprises a leaky  
stop codon.
6. A polynucleotide according to Claim 1, wherein the  
20 fusion joint comprises a leaky start codon.
7. A polynucleotide according to Claim 1, wherein the protein of interest is an antigen.
8. A polynucleotide according to Claim 1, wherein the coat protein is a tobacco  
25 mosaic virus coat protein.
9. A recombinant plant viral genome comprising a polynucleotide according to  
Claim 1.
- 30 10. A recombinant plant virus particle, comprising a genome according to Claim 9.
11. A polypeptide encoded by a polynucleotide according to Claim 1.
- 35 12. A recombinant plant virus, wherein the coat protein is encoded by a polynucleotide  
according to Claim 1.

13. A plant cell comprising a polynucleotide according to Claim 9.

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